

## **ABSTRACT**

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A computer system includes a database representing various transactions performed by the system. The number of transactions can be quite large. They may form the basis of analytical processing performed by the computer system, whose results may be used by subsequent stages of analytical processing. When data errors are corrected, the present invention permits a correction server to identify data entities (analytical results or the like) that may now be inconsistent due to the correction. The computer system may include a data flow manager that monitors data flows throughout the system and generates a read history therefrom, identifying reading entities as being dependent on entities from the database. When corrections are made, the corrected database entities are identified in a corrected entity log. If a comparison between the corrected entity log reveals a match with an entry in the read history log, the dependent entity may be identified as possibly inconsistent.